



Arcolux

Single pitch roofs

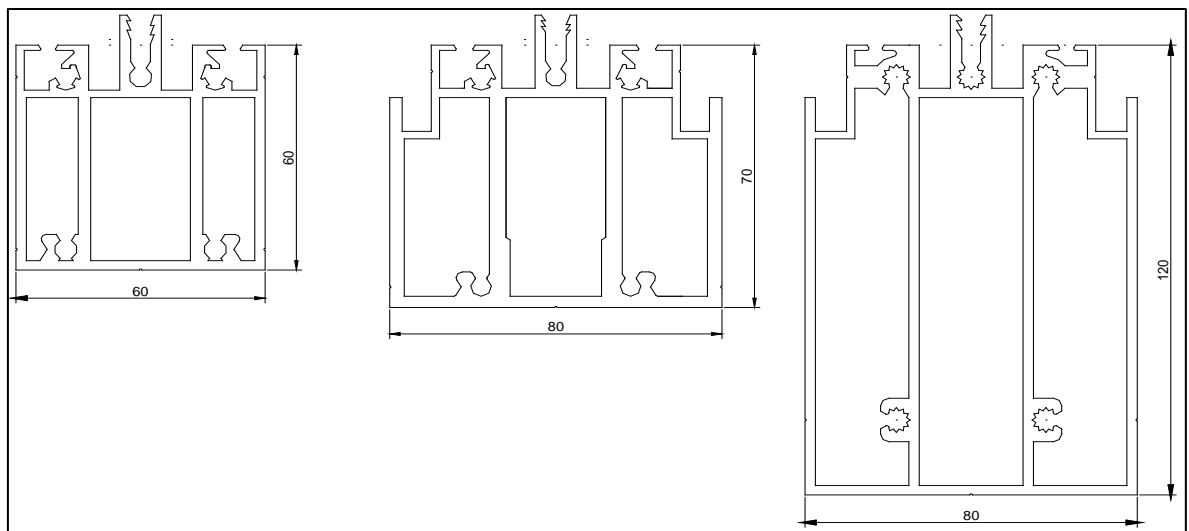
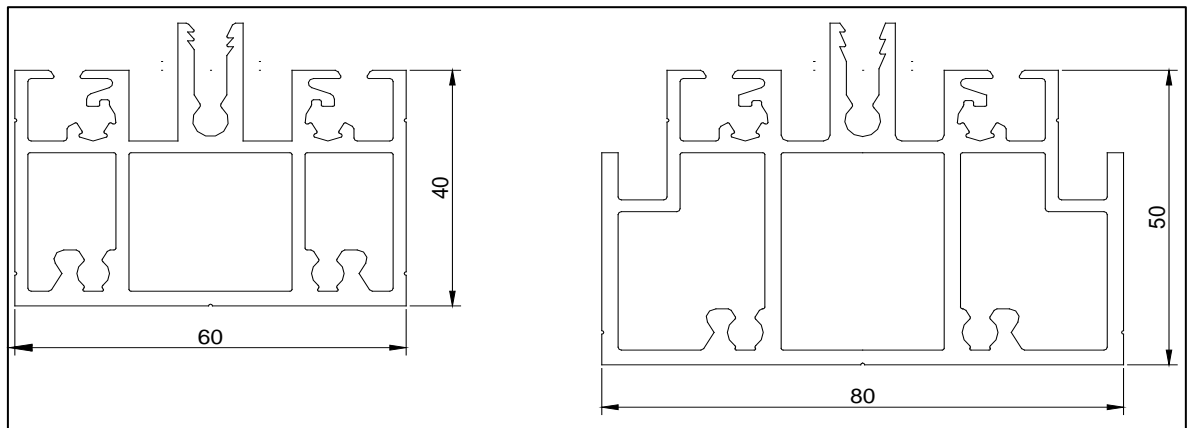


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Support ribs for single pitch roofs
Technical specifications

Support ribs in aluminium (F25).								
Profile	σ_b N/mm ²	$\sigma_{0,2}$ N/mm ²	τ_b N/mm ²	E N/mm ²	A mm ²	I_x mm ⁴	c_1 mm	c_2 mm
3040	245	195	145	70000	790	164300	27,3	20,7
3050	245	195	145	70000	1066	321200	33,6	24,4
3060	245	195	145	70000	1019	475800	35,2	32,8
3070	245	195	145	70000	1594	887400	44,6	33,4
3120	245	195	145	70000	1866	3226700	64,6	63,4



Example
Maximum width single pitch roof in multiwall

Sheets : Multiwall 16mm 3-wall
Loads : Snow 750 N/m², Wind : 640 N/m²
Bar to bar distance of the support ribs : 1065 mm

Profile	Angle	Width in mm
3040	20°	1450
3050	20°	1850
3060	20°	2100
3070	20°	2600
3120	20°	4300

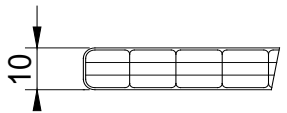
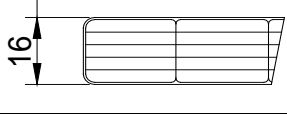
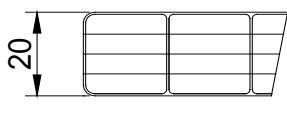
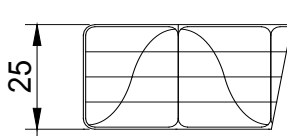
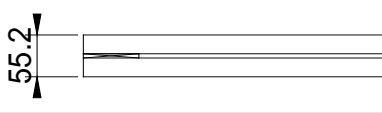
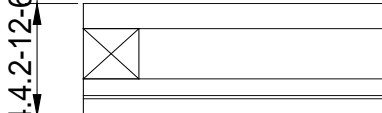
Example
Maximum width single pitch roof in glass

Sheets : Glass 44.2/12/6
Loads : Snow 750 N/m², Wind : 640 N/m²
Bar to bar distance of the support ribs : 900 mm

Profile	Angle	Width in mm
3040	20°	1200
3050	20°	1550
3060	20°	1750
3070	20°	2150
3120	20°	3150

Other shapes on request

Sheets

Polycarbonate / Glass		Thickness in mm	Colour	Light transmittance in %	Total energy transmission g in %	Heat transfer coefficient in W /m ² K	Fire classification	weighed sound reduction index in dB
Multiwall		10	Clear	68	65	2,50	B - s1, d0	17
			opal	61	63			
		16	Clear	59	57	1,82	B - s1, d0	20
			opal	42	47			
		20	Clear	64	75	1,80	B - s2 , d0	22
			opal	38	65			
		25	Clear	44	66	1,50	B - s2 , d0	23
			opal	24	50			
Glass		Variable						*
		Variable						*

* Depending on the thickness of the sheets

Heat protected sheet on request

Other colours on request

Other technical specifications on request

